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Attorney Docket No. A-65686-1/1655

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

DUONG, et al.

Serial No.: 09/397,957

Filed: September 17, 1999

For: SIGNAL DETECTION
TECHNIQUES FOR THE
DETECTION OF ANALYTES

Examiner: F. Lu

Group: 1655

CERTIFICATE OF MAILING

I hereby certify that this correspondence, including listed enclosures, is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Box Non-Fee Amendment, Assistant Commissioner for Patents, Washington, DC 20231 on Mar 26, 2001.

Signed:

Suzan Lindstrom

RESPONSE TO OFFICE ACTION AND AMENDMENT

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

This is in response to the Office Action dated September 26, 2000. The response is accompanied by a petition for a three month extension of time and the required fee, making this a timely response.

Please amend the above-identified application as follows:

In the Specification:

Please replace the first paragraph beginning on page 122, with the following rewritten paragraph:

- Monolayer Deposition on Circuit Boards

As above, the circuit boards were removed from the foil-lined bags and immersed in a 10% sulfuric acid solution for 30 seconds. Following the sulfuric acid treatment, the boards were immersed in two Milli-Q water baths for 1 minute each. The boards were then dried under a stream of nitrogen. The boards were placed on a X-Y table in a humidity chamber and a 30 nanoliter drop of DNA deposition solution was placed on each of the 14 electrodes. The DNA deposition solution consisted of 33 uM thiolated DNA, 33 uM 2-unit phenylacetylene wire (H6), and 16 uM undec-1-en-1-yltri(ethylene glycol)(HS-CH₂)₁₁-(OCH₂CH₂)₃-OH) in 6x SSC (900 mM sodium chloride, 90 mM sodium Citrate, pH 7) w/1% Triethylamine. 3